

TRACKING SOLAR COLLECTOR ASSEMBLY

ABSTRACT OF THE DISCLOSURE

[0075] A tracking solar collector assembly includes Southside supports, North side supports and support structures. Each support structure has pivotal support points defining a tilt axis and has at least one solar collector mounted thereto. First support points of first and second support structures are pivotally connected to first and second Southside supports. A second support point of the first support structure is pivotally connected to first and second North side supports. A second support point of the second support structure is pivotally connected to second and third North side supports. The assembly further includes a tilting assembly causing the solar collector support structures and the solar collectors therewith to tilt in unison. Another aspect of the invention is directed to tracking solar collector of the type comprising a torsion tube mounted for rotation about a torsion tube axis; the improvement comprises mounting structure securing the solar panels to the torsion tube at a chosen angle to the torsion tube axis with each of the solar panels located entirely vertically above the torsion tube axis when the torsion tube is at the noontime angular orientation.